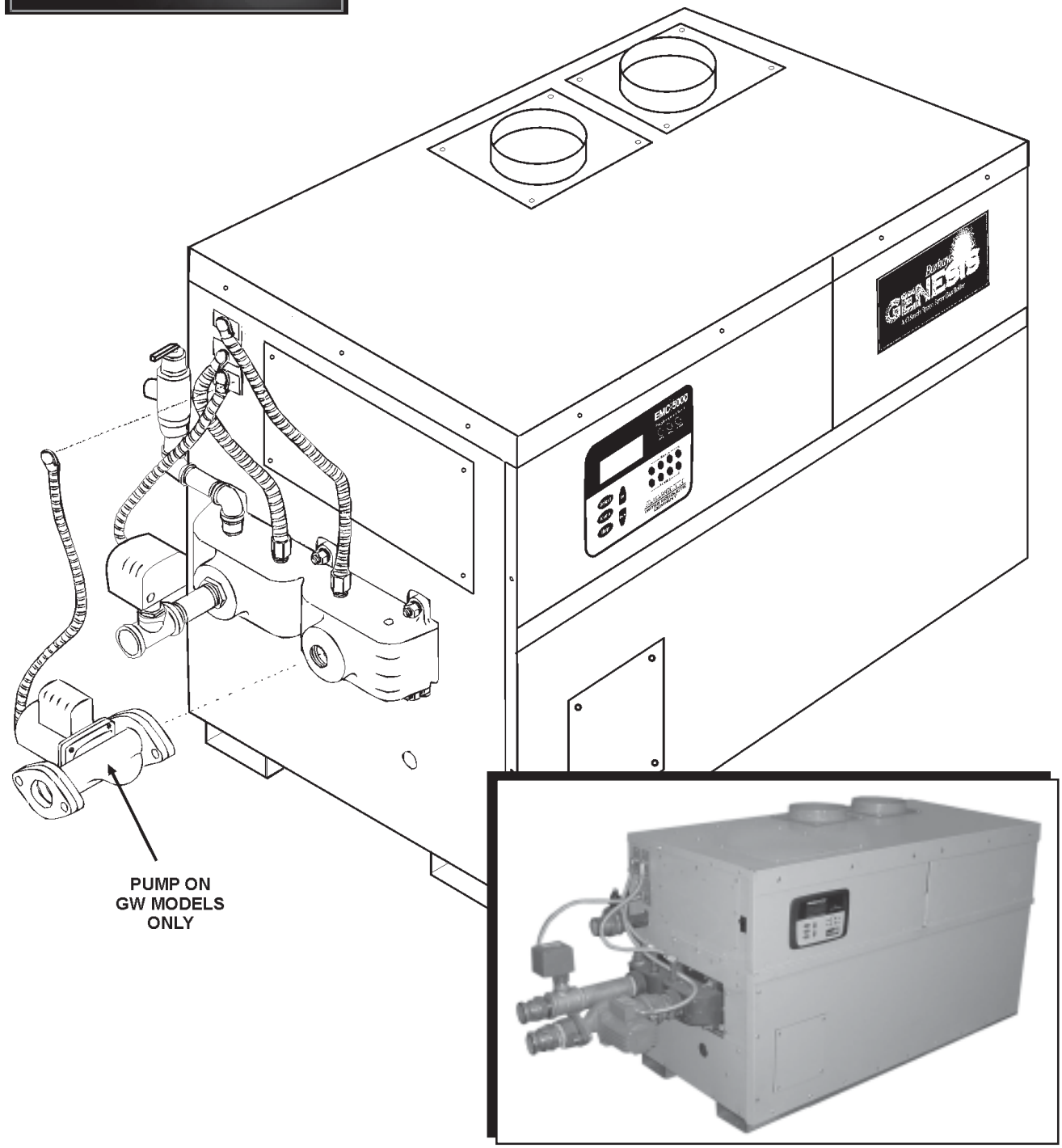
A.O.Smith
Water Heaters

GAS

GAS-FIRED COMMERCIAL
REPLACEMENT PARTS LIST
COPPER BOILERS FOR HYDRONIC HEATING & HOT WATER SUPPLY
MODELS GB/GW: 300, 400, 500, 650, 750
SERIES: 400, 401, 402, 403, 2-STAGE UNITS

Burnham GENESIS
A.O Smith Space Saver Gas Boiler



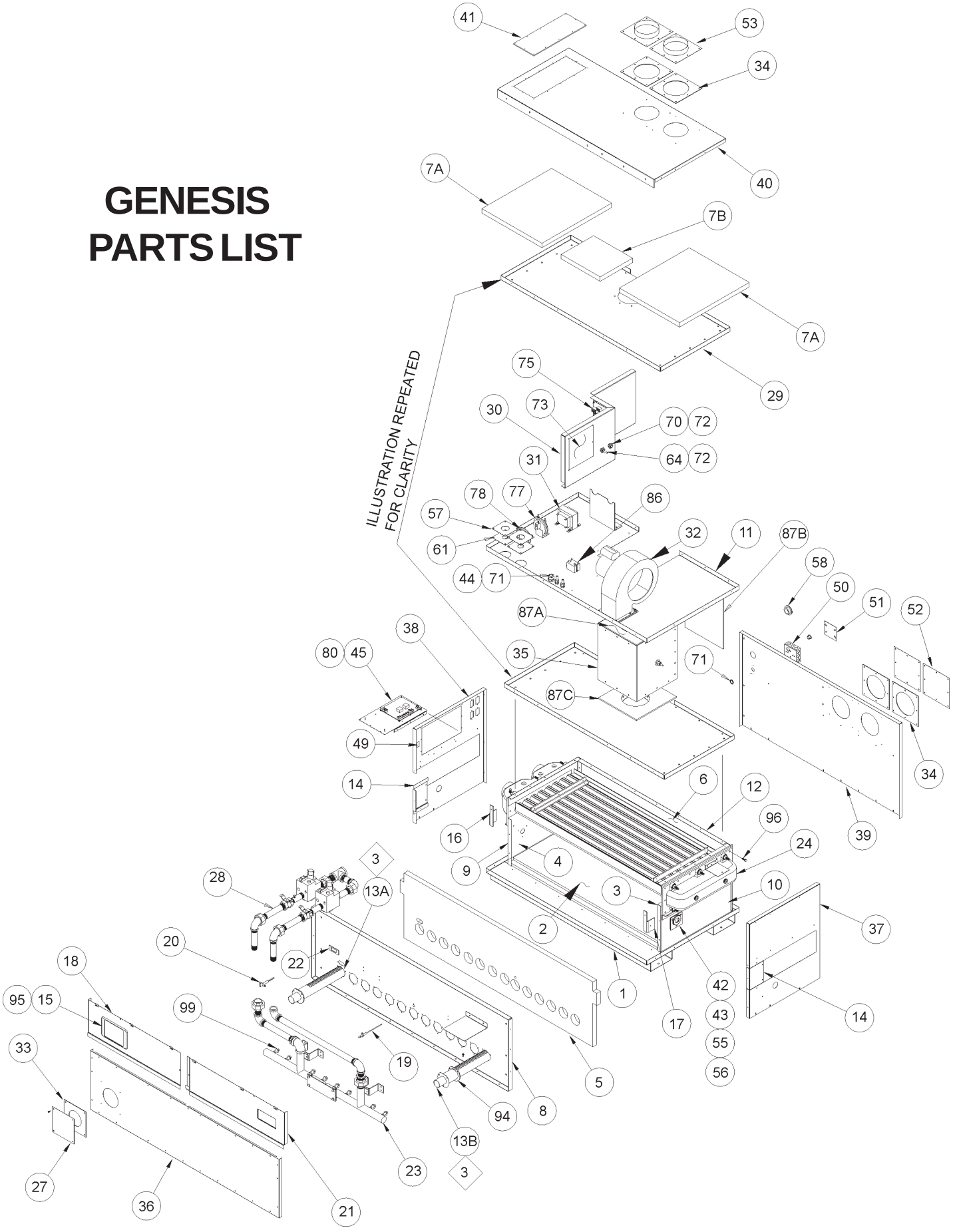
A.O. SMITH WATER HEATER PARTS FULFILLMENT
125 SOUTHEAST PARKWAY • FRANKLIN, TN 37068
Phone: 1-800-433-2545 • Fax: 1-800-433-2515
www.aosmithwaterheaters.com/parts • email: parts@hotwater.com

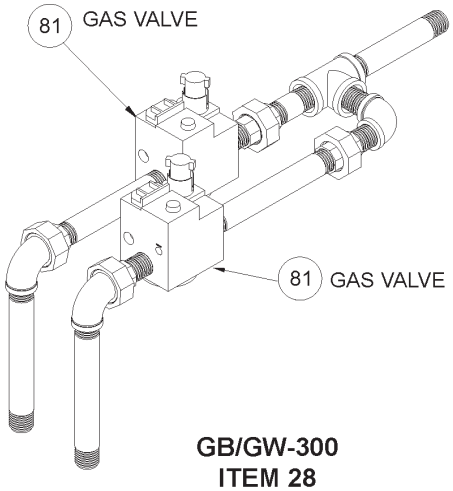
PRINTED IN U.S.A. 0206
PART NO. 212131-001

Item	Qty.	Description	GB/GW-300	GB/GW-400	GB/GW-500	GB/GW-650	GB/GW-750
1	1	Base / Leg Assembly	211874	211874-1	211874-2	211874-3	211874-4
2	1	Insul. Board - Bottom	211868	211868-1	211868-2	211868-3	211868-4
3	1	Insul. Board - Side (Right)	211869-1	211869-1	211869-1	211869-1	211869-1
4	1	Insul. Board - Side (Left)	211869	211869	211869	211869	211869
5	1	Insul. Board - Front	211870	211870-1	211870-2	211870-3	211870-4
6	1	Insul. Board - Rear	211871	211871-1	211871-2	211871-3	211871-4
7A	2	Insul. Board - Top	211878	211878-1	211878-2	211878-3	211878-4
7B	2	Insul. Board - Top	211878-5	211878-6	211878-6	211878-7	211878-7
8	1	Panel - Front Comb. Chamber	211863	211863-1	211863-2	211863-3	211863-4
9	1	Panel - Left Combustion	211914-1	211914-1	211914-1	211914-1	211914-1
10	1	Panel - Right Combustion	211914	211914	211914	211914	211914
11	1	Assembly - Control Shelf	211915	211915-1	211915-2	211915-3	211915-4
12	1	Panel - Rear Comb. Chamber	211861	211861-1	211861-2	211861-3	211861-4
13A	1	Burner Assembly	211941	211941	211941	211941	211941
13B	( )	Burner Assembly	211941-5	211941-7	211941-9	211941-12	211941-14
14	2	Insert - Side Jacket	212029	212029	212029	212029	212029
15	1	User Interface Module	211762	211762	211762	211762	211762
16	1	Combustion Insert - Left	211853	211853	211853	211853	211853
17	1	Combustion Insert - Right	211853-1	211853-1	211853-1	211853-1	211853-1
18	1	Jacket - Front Left	212027	212027-1	212027-2	212027-3	212027-4
19	1	Flame Sensor	192682	192682	192682	192682	192682
20	1	Ignitor	192334	192334	192334	192334	192334
21	1	Jacket - Front Right	212028	212028-1	212028-2	212028-3	212028-4
22	1	Gasket - Ignitor	210078	210078	210078	210078	210078
23	1	Manifold & Piping Assembly	212058	212062	212063	212064	212065
24	1	Heat Exchanger/Baffle Assy. Bronze	212069	212069-1	212069-2	212069-3	212069-4
24	1	Heat Exchanger/Baffle Assy. Cast Iron	212069-5	212069-6	212069-7	212069-8	212069-9
25	7	Baffle - Tube	200438-15	210192-9	192772-9	192772-10	192772-11
26	2	End Baffle Assembly	210171-12	210171-13	210171-14	210171-15	210171-16
27	1	Front Access Panel	192792	192792	192792	192792	192792
28	1	Gas Train - Series 300 (NAT.)	212057	212059	212060	212061	212061-2
28	1	Gas Train - Series 301 (PRO.)	212057-1	212059-1	212060-1	212061-1	212061-3
29	1	Panel - Top Combustion	211862	211862-1	211862-2	211862-3	211862-4
30	1	Divider Panel Assembly	211876	211876	211876	211876	211876
31	1	Transformer	210449	210449	210449	210449	210449
32	1	Blower/Shutter Assembly	210884-1	210884-1	211096-3	211096-2	211096-2
33	2	Gasket	192780	192780	192780	192780	192780
34	4	Gasket - Vent	192780-3	192780-4	192780-4	192780-5	192780-5
35	1	Fluebox Assembly	211763	211763-1	211763-1	211763-2	211763-2
36	1	Jacket - Bottom Front	211754	211754-1	211754-2	211754-3	211754-4
37	1	Jacket - Right Side Panel	211881	211881	211881	2311881	211881
38	1	Jacket - Left Side Panel	211882	211882	211882	212013	212013
39	1	Jacket - Rear Panel	211885	211885-1	211885-2	211885-3	211885-4
40	1	Jacket - Top Panel	211884	211884-1	211884-2	211884-3	211884-4
41	1	Jacket - Top Access Panel	212023	212023-1	212023-1	212023-2	212023-2
42	1	Gasket - Sight Glass	211866	211866	211866	211866	211866
43	1	Plate - Sight Glass	210166	210166	210166	210166	210166
44	1	Strain Relief Fitting	210173-1	210173-1	210173-1	210173-1	210173-1
45	1	Flip Down Panel Assembly	212008	212008	212008	212008	212008
46	1	Pump/Flow Switch Conduit Assembly	210179	210179-5	210179-2	210179-2	210179-4
46	1	Flow Switch Conduit Ass'y (No Pump)	210179-1	210179-6	210179-3	210179-3	210179-3
47	1	Inlet Temp. Conduit Assembly	210180	210180	210180	210180	210180
48	1	ECO/Outlet Temp. Conduit Assembly	210181	210181	210181	210181	210181
49	1	Switch - Rocker	191665	191665	191665	191665	191665
50	1	Junction Box	93558	93558	93558	93558	93558
51	1	Cover - Junction Box	200660	200660	200660	200660	200660
52	2	Plate - Intake	192792	192792	192792	192792	192792
53	2	Vent Adaptor	192774-1	192774-2	192774-2	192774-3	192774-3
54	1	Gasket - Gas Manifold Plate	- - -	- - -	- - -	- - -	211930-1
55	2	Port - Observation	191572-1	191572-1	191572-1	191572-1	191572-1
56	1	Gasket - Port	191576-1	191576-1	191576-1	191576-1	191576-1

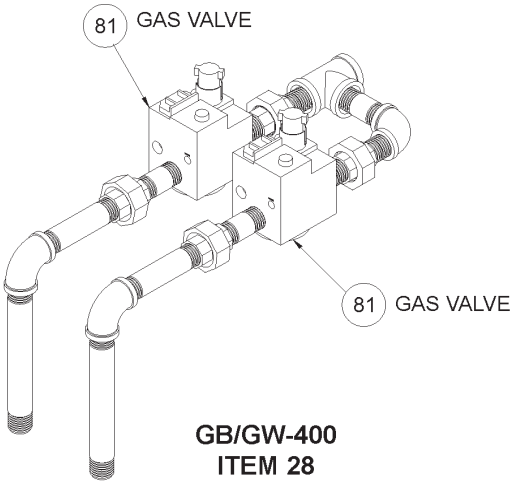
Item	Qty.	Description	GB/GW-300	GB/GW-400	GB/GW-500	GB/GW-650	GB/GW-750
57	2	Gas Manifold Plate	211929	211929	211929	211929	211929
58	1	Grommet	192771-3	192771	192771	192771-1	192771-1
59	1	Tee - Reducing (Brass)	098214	098214	099985	099985	099985
59	1	Tee - Reducing (Galv.)	200644-9	200644-9	200644-6	200644-6	200644-6
60	1	Flow Switch	211480	211480	211480	211480	211480
61	2	Gasket - Gas Manifold Plate	211930	211930	211930	211930	211930(1)
62A	1	Nipple - Pipe 1 1/2" x 6" Brass	91863-8	91863-8	- - -	- - -	- - -
62A	1	Nipple - Pipe 1 1/2" x 6" Brass (Galv.)	200641-2	200641-2	- - -	- - -	- - -
62B	1	Nipple - Pipe 1 1/2" x 6" Brass	- - -	- - -	068904-4	068904-4	068904-4
62B	1	Nipple - Pipe 1 1/2" x 6" (Galv.)	- - -	- - -	200643-8	200643-8	200643-8
63	1	Nipple - Pipe 1 1/2" x Close (Brass)	091863-7	091863-7	- - -	- - -	- - -
63	1	Nipple - Pipe 1 1/2" x Close (Galv.)	200641	200641	200641	200641	200641
64	3	Strain Relief Tube Assembly	210234	210234	210234	210234	210234
65	1	Nipple - Pipe 3/4" x 3" (Brass)	20373-2	20373-2	20373-2	20373-2	20373-2
65	1	Nipple - Pipe 3/4" x 3" (Galv.)	200645	200645	200645	200645	200645
66	2	Nipple - Pipe 3/4" x Close (Brass)	020373-32	020373-32	020373-32	020373-32	020373-32
66	2	Nipple - Pipe 3/4" x Close (Galv.)	200645	200645	200645	200645	200645
67	2	Elbow - 3/4" x 90 (Brass)	191664	191664	191664	191664	191664
67	2	Elbow - 3/4" x 90 (Galv.)	200647-1	200647-1	200647-1	200647-1	200647-1
68	1	Pressure Relief Valve (GW Only)	98883-3	98883-3	98883-3	98883-3	98883-3
69	1	Pressure Relief Valve (GB Only)	210451	210451	210451	210451	210451
70	1	Strain Relief Fitting	210173	210173	210173	210173	210173
71	1	Nut - Locking	210174-1	210174-1	210174-1	210174-1	210174-1
72	4	Nut - Locking	210174	210174	210174	210174	210174
73	1	Flame Control Board	211759	211759	211759	211759	211759
74	1	Nipple - Pipe 2" x Close (Brass)	- - -	- - -	68904-7	68904-7	68904-7
74	1	Nipple - Pipe 2" x Close (Galv.)	- - -	- - -	200643	200643	200643
75	1	Power Distribution Board	211760	211760	211760	211760	211760
76	3	Tubing - Silicone Rubber	210209-080	210209-080	210209-094	210209-094	210209-094
77	1	Blower Prover Pressure Switch	211094-2	211094-2	211094-2	211094-2	211094-2
78	1	Blocked Outlet Pressure Switch	210908	210908	210908	210908	210908
80	1	Central Control Board	211758	211758	211758	211758	211758
81	1	Gas Valve (NAT.) [750 Models Only]	- - -	- - -	- - -	- - -	191956-2(1)
81	1	Gas Valve (NAT.)	192454-2(2)	192454-2(2)	192454-2(2)	192454-2(2)	192454-2(1)
81	1	Gas Valve (PROP.) [750 Models Only]	- - -	- - -	- - -	- - -	191956-1(1)
81	1	Gas Valve (PROP.)	192454-1(2)	192454-1(2)	192454-1(2)	192454-1(2)	192454-1(1)
82	1	Manual Shut-Off Valve (750 Models Only)	1181-5	1181-5	1181-5	1181-5	1181-5
83	1	Manual Shut-Off Valve	- - -	- - -	3423-5	3423-5	- - -
84	1	Feed Header	192767-1	192767-1	192767-2	192767-2	192767-2
85	1	Return Header	192766-1	192766-1	192766-1	192766-1	192766-1
86	1	120V Relay	211546	211546	211546	211546	211546
87A	1	Insulation, Fluebox	211909	211909-2	211909-2	211909-3	21909-3
87B	1	Insulation, Fluebox	211909-5	211909-4	211909-4	211909-4	211909-4
87C	1	Insulation, Fluebox	211909	211909-1	211909-1	211909-6	211909-6
88	1	Low Gas Pressure Switch (NAT.)	- - -	- - -	191149-1	191149-1	191149-1
88	1	Low Gas Pressure Switch (PRO.)	- - -	- - -	191149-3	191149-3	191149-3
89	1	High Gas Pressure Switch (NAT.)	- - -	- - -	192527-1	192527-1	192527-1
89	1	High Gas Pressure Switch (PRO.)	- - -	- - -	192527	192527	192527
90	1	Standard Pump (GW)	192788	200638	200638	200638	210263
91	1	Pump Flange (GW)	210131	210131-2	210131-4	210131-4	- - -
92	1	Tank Temperature Kit (GW)	210324	210324	210324	210324	210324
93	1	Communication Harness Assembly	211953-1	211953-1	211953-1	211953-1	211953-1
94	( )	Burner Gasket	210476 (6)	210476 (8)	210476 (10)	210476 (13)	210476 (15)
95	1	Label - EMC 5000	212049	212049	212049	212049	212049
96	14	Screw, 3/4" Sheet Metal	210125-3	210125-3	210125-3	210125-3	210125-3
	1	Fuse - 7.5 Amp	211943	211943	211943	211943	211943
97	1	Fuse - 3 AMP.	211942	211942	211942	211942	211942
98	2	Jumper	210491	210491	210491	210491	210491
99	( )	Orifice - NAT.	210880-91(6)	210880-91(8)	210880-91(10)	210880-91(13)	210880-91(15)
99	( )	Orifice - PRO.	210880-48(6)	210880-48(8)	210880-48(10)	210880-48 (13)	210880-48(15)

GENESIS
PARTS LIST

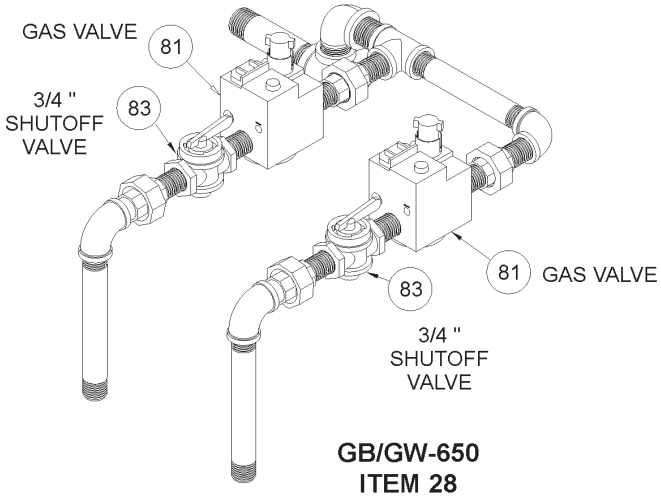




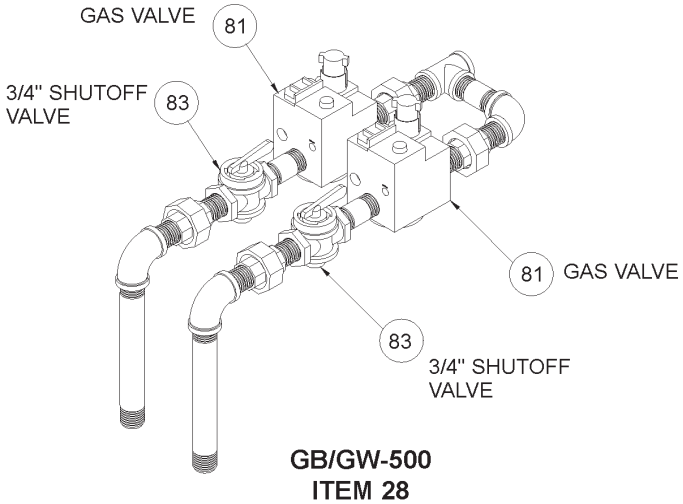
GB/GW-300
ITEM 28



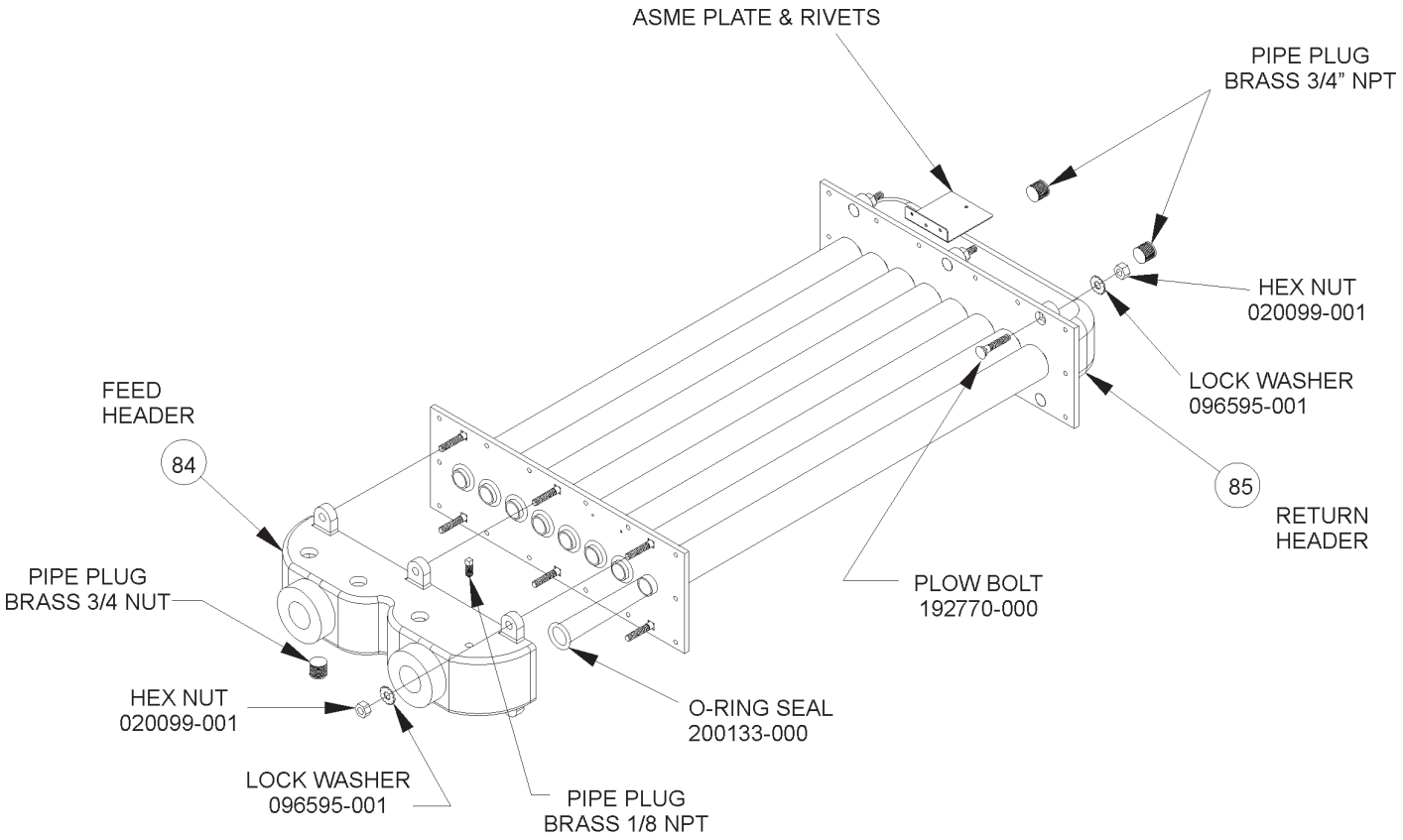
GB/GW-400
ITEM 28



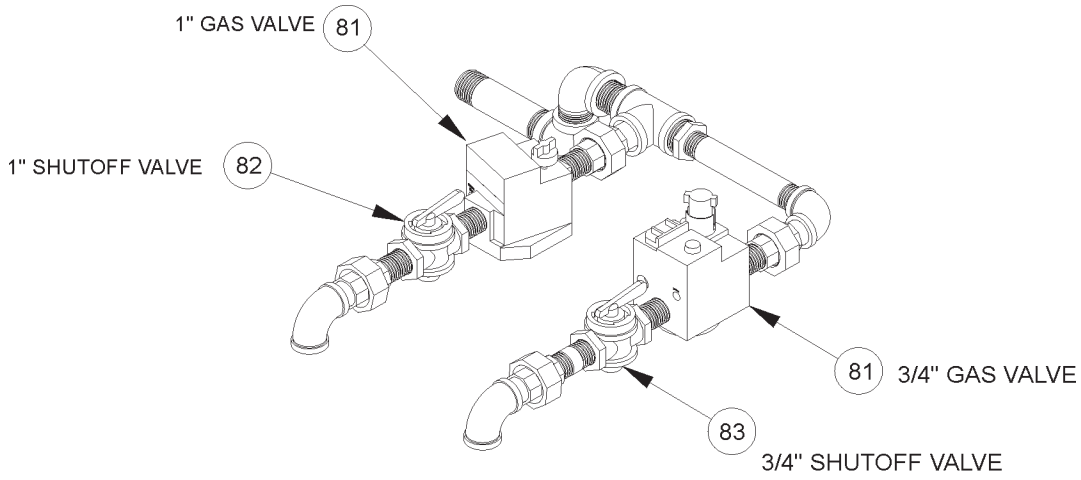
GB/GW-650
ITEM 28



GB/GW-500
ITEM 28

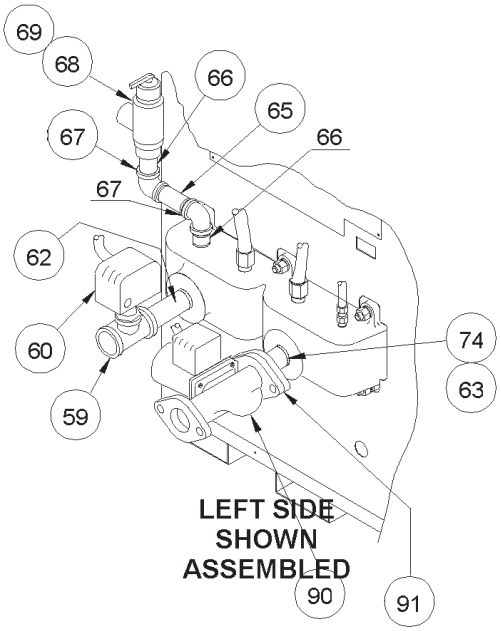


HEAT EXCHANGER/BAFFLE ASSEMBLY
ITEM 24

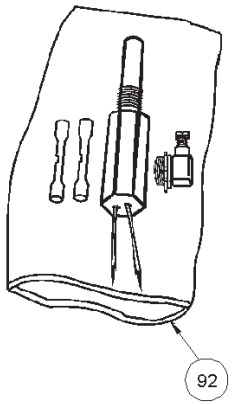


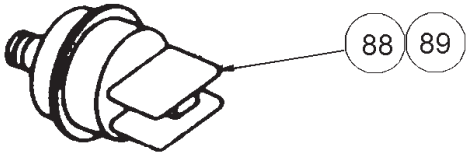
GB/GW-750
ITEM 28

IRI/CSD-1 COMPONENTS



STANDARD PUMP INSTALLED
ON GW MODELS ONLY



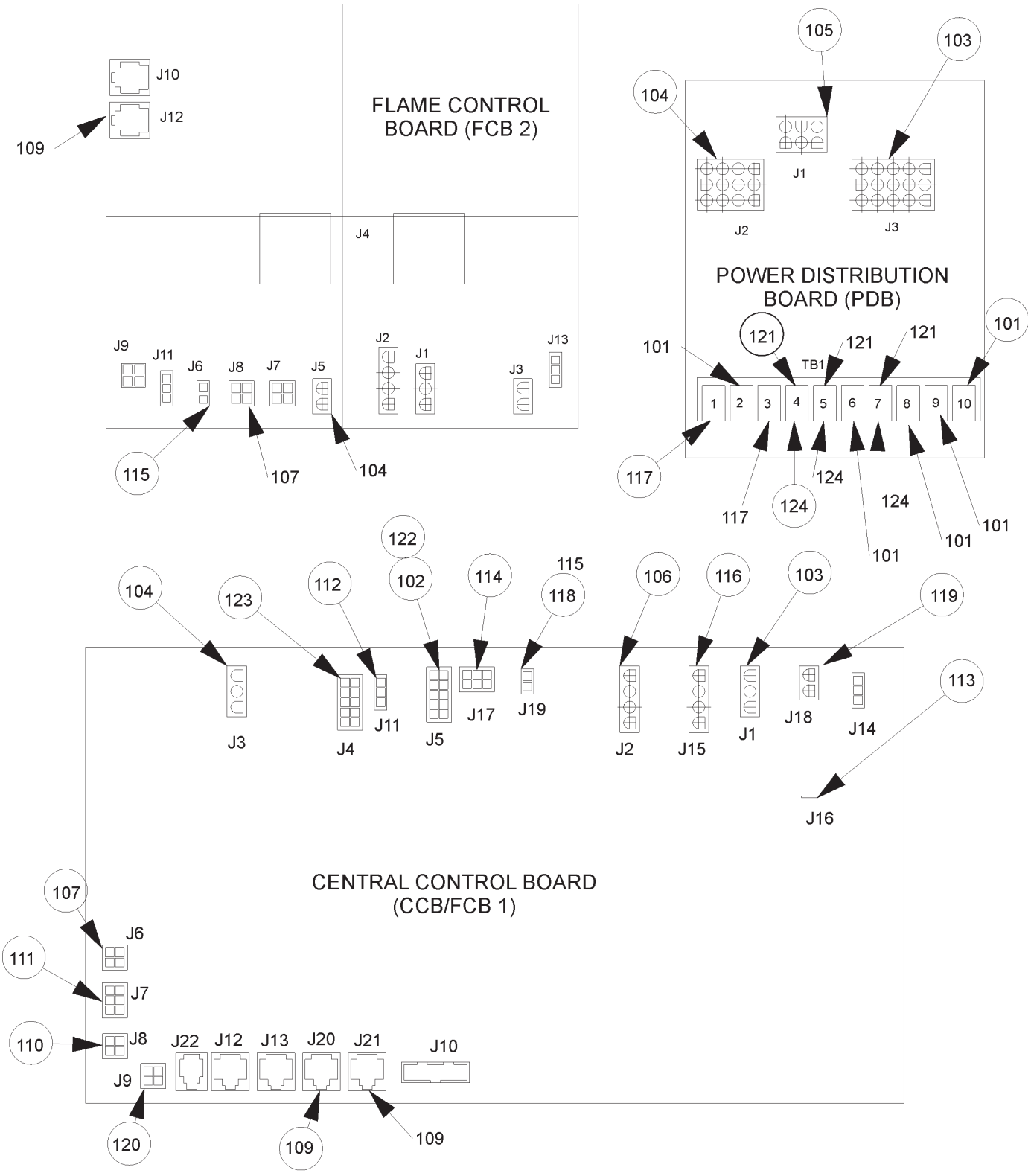


SERIES 402 AND 403 ONLY
(CSD-1 ONLY)

Item	Qty.	Description	GW-300 thru 650	GW-750	GB-300 thru 650	GB-750	LWCO/LO GAS/ HI GAS/ IRI/ALARM
101	1	Harness - Power Line Input - PDB Terminals	212452	212452	212452	212452	- - -
102	1	Flow Switch Harness Assembly - CCB J5	212011	212011	212011	212011	- - -
103	1	Harness - 120 VAC Power - PDB J3 to CCB J1	211946	211946	211946	211946	- - -
104	1	Harness - 24 VAC Power - PDB J2 to CCB J3 & FCB J5	211947-1	211947-1	211947-1	211947-1	- - -
105	1	Harness - Transformer - PDB J1	211948	211948	211948	211948	- - -
106	1	Harness - Relay Coil - J2	211949	211949	211949	211949	- - -
107	1	Harness - Gas Valve Relay Power - CCB J6 to FCB	211952	211952	211952	211952	- - -
108	1	Communication Harness Assembly	211953	211953	211953	211953	- - -
109	2	Communication Harness Assembly - CCB J20 & J21	211953-1	211953-1	211953-1	211953-1	- - -
110	1	Harness Inlet Probe - CCB J8	211954	211954	211954	211954	- - -
111	1	Harness - Outlet/ECO - CCB J7	211955	211955	211955	211955	- - -
112	1	Harness - External Thermostat - CCB J11	211956	211956	211956	211956	- - -
113	1	Wire Assembly (Red) - CCB/FCB 1 J16	211204-245	211204-245	211204-245	211204-245	- - -
114	1	Harness - Blower Prover - CCB J17	211959	211959	211959	211959	- - -
115	1	Harness - Gas Valve Output - CCB J19 & FCB J6	211960	211960-2	211960-1	211960-2	- - -
116	1	Harness - Blower Output - CCB J15	211962-1	211962-1	211962-1	211962-1	- - -
117	1	Harness - Pump Relay Contacts - PDB TB1-1 & TB1-3	211963	211963	211963	211963	- - -
118	1	Harness - Gas Valve Output - CCB J19	211960-1	211960-1	211960-1	211960-1	- - -
119	1	Harness - Igniter Output - CCB J14	212691	212691	212691	212691	- - -
120	1	Harness - Tank Probe - CCB J9	211989	211989	211989	211989	- - -
121	1	GB Pump Harness - PDB TB1-4, -5, -7	211945-2	211945-2	211945-2	211945-2	- - -
122	1	Harness - Switch Inputs - CCB J5	211950	211950	211950	211950	211950
123	1	Harness - 24 VAC Output - CCB J4	211951	211951	211951	211951	211951
124	1	Harness - Pump Flow Switch - PCB TB1-4, -7, -5	212012	212012	212012	212012	212012

GB/GW

GB/GW



A.O. SMITH WATER PRODUCTS COMPANY
125 SOUTHEAST PARKWAY • FRANKLIN, TN 37068
Phone: 1-800-433-2545 • Fax: 1-800-433-2515
www.aosmithwaterheaters.com/parts • E-mail: parts@hotwater.com